




Did you know . . .



A presentation format designed by Karl Fisch, based on the works of Thomas Friedman, Ian Jukes, Ray Kurzweil

Adapted by Dr. Douglas Reisig (Hellgate Elementary) for the Montana Office of Public Instruction "Assessment Toolkit Conference" April 24, 2007

The effective instructional practice of Montana educators, now more than ever, is key to the academic as well as societal success of all of our children.

Did you know...

High performing schools and school districts **know** that good teachers matter more than anything else in promoting student growth and achievement

Ed Trust, 2005

Why ?

The difference between a good (effective) teacher and a bad teacher can be a full level of achievement in a single school year for a child.

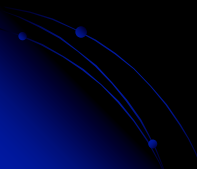
Eric A. Hanushek. "The Trade-Off Between Child Quantity and Quality," *Journal of Political Economy*, 1992.

“...having a high quality teacher throughout elementary school can substantially offset or even eliminate the disadvantage of low socio-economic background.”

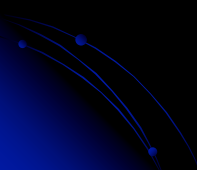
Steven G. Rivkin, Eric A. Hanushek, and John F. Kain,
Teachers, Schools and Academic Achievement, University of
Texas-Dallas Schools Project, 2002.

Did you know...


That the state, the nation, and the world are far different than they were when you were in school.



What does this mean for our students and our education system?



Consider for a moment...



If we could shrink the earth's population to a village of precisely 100 people, with all the existing human ratios remaining the same, it would look like this ...

There would be 57 Asians, 21 Europeans, 14 from the Western Hemisphere, and eight Africans.

Of the 100 people, 70 would be non-white; 30 would be white.

Of the population, 70 would be non-Christian; 30 would be Christian.

Fifty percent of the entire world's wealth would be in the hands of six people. All six would be U.S. citizens.

Of the 100 people, 70 would be unable to read.

Fifty people would suffer from malnutrition.

Only one person of the entire population would have a college education.

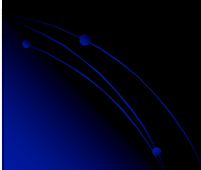
*Motorola Leadership and Renewal Forum
for Superintendents, 2005*

What does this mean for our students and our education system?

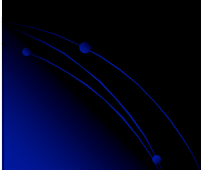
For our children, the world is changing . . .



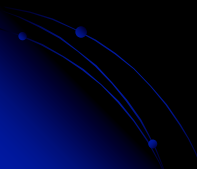
Consider this...



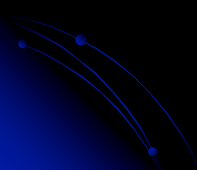
**The 25% of the population in
China with the highest IQ's . . .**



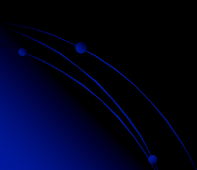
**Is greater than the total
population of North America.**



In India, it's the top 28%.



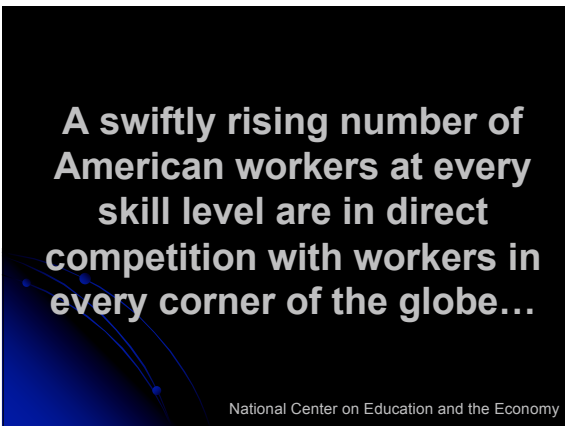
**Translation for teachers:
They have more honors kids
than we have kids.**



**What does this mean for our
students and our education
system?**







**The U.S. Department of Labor
estimates that today's learner
will have 10-14 jobs . . .**

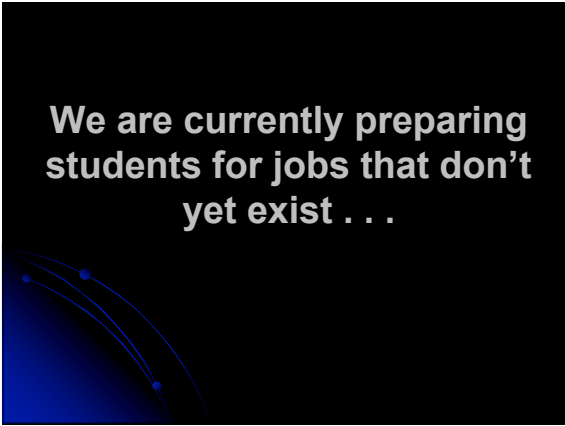
By the age of 38.

**According to the U.S.
Department of Labor . . .**

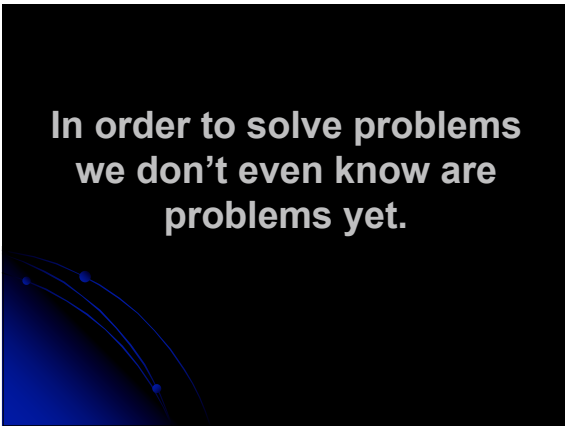
1 out of 4 workers today is working for a company they have been employed by for less than one year.

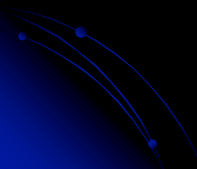
More than 1 out of 2 are working for a company they have worked for, for less than five years.

According to former Secretary of Education Richard Riley . . .

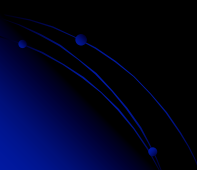




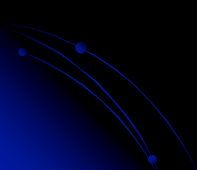




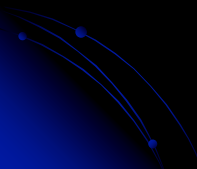
What does this mean for our students and our education system?



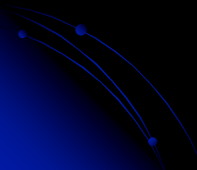
For our children, the world is changing . . .



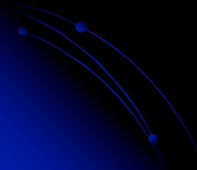
Did you know . . .



We are living in *exponential* times.



There are over 2.7 billion searches performed on Google *each month*.



The number of text messages sent and received *every day* exceeds the population of the planet.

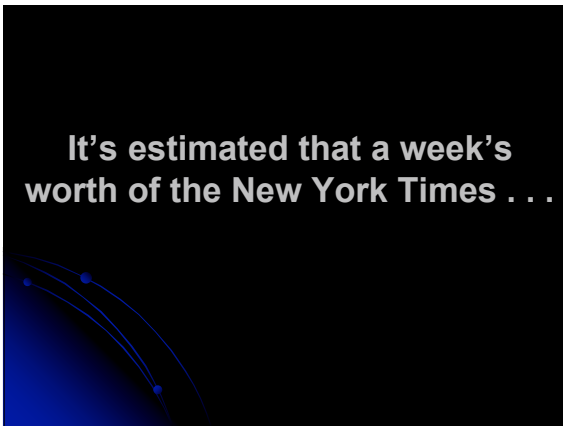
There are about 540,000
words in the English language

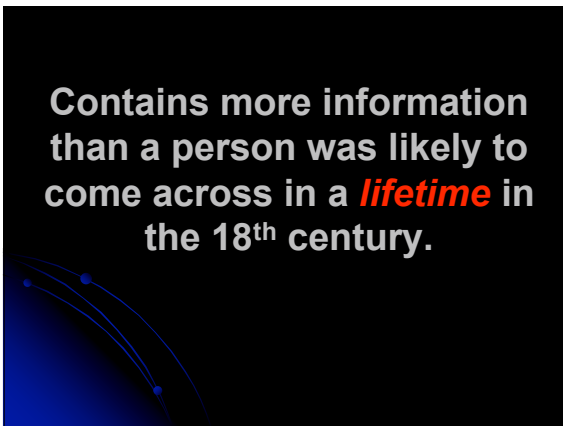
. . .

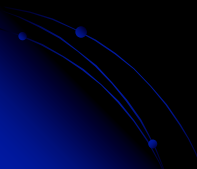
About **5 times** as many as
during Shakespeare's time.

More than 3,000 new books
are published . . .

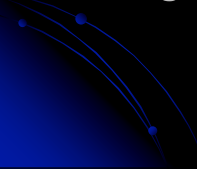




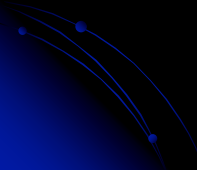




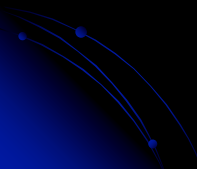
What does this mean for our students and our education system?



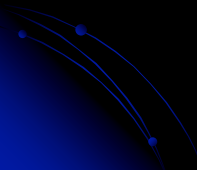
It's estimated that 1.5 exabytes (that's 1.5×10^{18}) of unique new information will be generated worldwide this year.



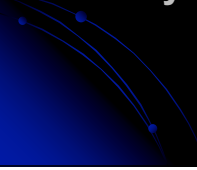
That's estimated to be more than in the *previous 5,000 years.*



The amount of new technical information is **doubling** every 2 years.



That means for a student starting a four-year technical or college degree . . .



Half of what they learn in their first year of study will be **outdated** by their third year of study.

What does this mean for our students and our education system?

"...the son of a shepherd who possesses knowledge is of greater worth to a nation than the heir to the throne, if he be ignorant. Knowledge is your true patent of nobility, no matter who your father or what your race may be."

Kahlil Gibran

"Education is simply the soul of a society as it passes from one generation to another..."

G. K. Chesterton

“Children are living messages we send to a time we will not see...”

Unknown

High Performing Schools and Districts Do Not Leave Anything About Teaching and Learning to Chance...

Teaching is not a Mystical Event – it is Based on Effective Professional Practice Standards.

Ed Trust, 2005

There is no substitute for a quality, vibrant, adaptable education system...

There is no substitute for quality educators ... who understand that knowledge is an awareness of ideas and facts and that wisdom is an awareness of how to use those ideas and facts to benefit mankind.

“High performing schools and school districts *know* that good teachers matter more than anything else in promoting student growth and student achievement...”

Ed Trust, 2005

The effective instructional practice of Montana educators, now more than ever, is key to the academic as well as societal success of all of our children.



